

MINE RESISTANT AMBUSH PROTECTED VEHICLE (MRAP)



DESCRIPTION

Mine Resistant Ambush Protected (MRAP) vehicles are V-shaped hulled, raised chassis, armored vehicles with a blast resistant underbody designed to protect the crew from mine blasts, as well as fragmentary and direct fire weapons. MRAP vehicles will consist of three categories:

Category I vehicles support operations in an urban environment and other restricted/confined spaces; including mounted patrols, reconnaissance, communications, and command and control.

Category II vehicles provide a reconfigurable vehicle that is capable of supporting multi-mission operations such as convoy lead, troop transport, explosive ordnance disposal (EOD), ambulance, and combat engineering.

Category III vehicles provide Mine/Improvised Explosive Device (IED) clearance operations and explosive ordnance disposal.

OPERATIONAL IMPACT

MRAP vehicles will provide deployed commanders, various units, EOD and Combat Engineer teams with survivable ground mobility platforms. Marine units operating in Operation Iraqi Freedom/Operation Enduring Freedom require vehicles capable of surviving (IED) / mine, small arms fire, rocket propelled grenade and vehicle borne IED attacks. As Marines are expected to participate in and/or respond rapidly to a variety of offensive operations and stability and security operations without a large security contingent, they need a vehicle capable of functioning in a counter attack after surviving a “first blow” ambush or attack. Accordingly, operational experience dictates current and anticipated missions engaged in by all Marine Air Ground Task Force (MAGTF) levels in theater are better supported by a family of MRAP vehicles: multi-mission, troop transport, cargo, and ambulance

and EOD/Engineering mission. There is an immediate need for MRAP vehicles to increase survivability and mobility of Marines operating in a hazardous fire area against known threats.

PROGRAM STATUS

A sole source contract was awarded on 9 Nov 06 for 200 CAT II and up to 80 CAT III vehicles to bridge urgent war fighting needs while a competitive acquisition for the balance of CAT I and CAT II platforms was planned and executed. On 26 Jan 07, nine indefinite delivery indefinite quantity contracts were awarded to vendors that demonstrated capabilities to meet the program's overarching objective of producing the maximum number of survivable, safe, and sustainable MRAP vehicles in the shortest period of time. The Joint Program Office, lead by the Marine Corps, is currently evaluating examples of increasingly survivable and mission capable MRAP vehicles obtained via ECPs under existing contracts and the recently awarded MRAP II contract.

Procurement:

To date, 11,891 low rate initial production vehicles have been ordered for the Joint DoD community from the following manufacturers:

FP II – CAT I, CAT II, CAT III

IMG – CAT I, CAT II

BAE – CAT I, CAT II

AH – CAT I, CAT II

GDLS-C – CAT I, CAT II

OTC – CAT I

The Marine Corps requirement is 2023 (formerly 3700) MRAP Vehicles. The Program was schedule to have 650 MRAP vehicles delivered in-theater to MARCENT by the end of CY07. Actual USMC deliveries at the end of January 2008 are 819 vehicles. The entire MARCENT requirement is on schedule to be fielded in May 08 with the entire Marine Corps requirement completed by Aug 08.

Developer/Manufacturer:

Lockheed Martin Corporation, Syracuse, NY